

CLAIMS

1. A hydraulic distributor comprising an input
5 element with a scavenging valve, having a body (2)
provided with orifices for respective connection (P) to
the pump, (T) to the reservoir and (LS) for a return of
information to the pump, the body having a bore (3)
10 which can place in communication the orifices (P) and
(T) respectively connected to the pump and to the
reservoir, inside which bore is mounted a piston (8)
which is able to establish or not to establish this
communication, one end of the piston being subjected to
15 the pressure of the pump and the other end thereof
being subjected to the pressure (LS) for the return of
information and to the pressure of a spring (7),
characterized in that the pressure exerted by the
spring (7) is substantially equal to the delivery
20 pressure of the pump, and the piston (8) and/or the
body (2) have or has orifices (8) for placing in
communication the chambers (4, 5) situated on the pump
(P) side and reservoir (T) side when the distributor is
in the rest position.

25 2. The hydraulic distributor as claimed in claim 1,
characterized in that the cross section of the orifices
(8) allows the passage of a flow of between 10 and 15%
of the maximum installed flow, under a pressure of
around 15 bar.

30 3. The hydraulic distributor as claimed in either of
claims 1 and 2, characterized in that the orifices (8)
for placing in communication the chambers situated on
the pump (P) side and reservoir (T) side consist of
35 cutouts or slots opening into the outer surface of the
piston or into the surface of the bodies delimiting the
bore for the piston.

4. The hydraulic distributor as claimed in either of claims 1 and 2, characterized in that the orifices for placing in communication the chambers situated on the pump (P) side and reservoir (T) side consist of at
5 least one duct formed in the piston or in the body.

5. The hydraulic distributor as claimed in one of claims 1 to 4, characterized in that the cross section of the orifices (8) for placing in communication the
10 chambers situated on the pump (P) side and reservoir (T) side varies as a function of the characteristics of the distribution slide valve.